

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (currently amended) A method of providing quality of service in an Internet Protocol (IP) telephony session between a calling party and a called party, the method comprising:

assigning a first temporary session IP proxy destination address for said called party at a first device having IP capability and ATM capability;

assigning a second temporary session IP proxy source address for said calling party at a second device having IP capability and ATM capability;

establishing an ATM virtual circuit for said session between said first device and said second device based on the assigned first and second temporary session IP proxy addresses;

transporting IP telephony media for said session between said calling party and ~~[[a]] said first device having IP capability and ATM capability; and~~

transporting IP telephony media for said session between said called party and ~~[[a]] said second device having IP capability and ATM capability;~~

~~establishing an ATM virtual circuit for said session between said first device and said second device; and~~

~~securing the ATM virtual circuit by use of proxy addressing.~~

2. (original) The method as claimed in claim 1, wherein said first and second devices are routers.

3. (canceled).

4. (previously presented) The method as claimed in claim 1, wherein said establishing an

ATM virtual circuit between said first and second devices comprises:

- identifying a calling party number for said session at said first device; and
- identifying a called party number for said session at said second device.

5. (currently amended) A method of providing quality of service in an IP telephony session between a calling party and a called party, the method comprising:

- assigning a temporary IP proxy destination address to the called party at a first access control manager operatively connected with the calling party via a first IP network;

- assigning a temporary IP proxy source address to the calling party at a second access control manager operatively connected with the called party via a second IP network;

- establishing a switched virtual circuit for the session between the first access control manager and the second access control manager;

- routing IP media traffic from said calling party to said called party IP proxy destination address at said first access control manager via the first IP network;

- routing IP media traffic from said called party to said calling party IP proxy source address at said second access control manager via the second IP network;

- translating IP media traffic received at said called party IP proxy address at said first access control manager to ATM traffic for transport through said virtual circuit from said first access control manager to said second access control manager; and

- translating IP media traffic received at said calling party IP proxy address at said second access control manager to ATM traffic for transport through said virtual circuit from said second access control manager to said first access control manager.

6. (canceled)

7. (currently amended) The method as claimed in claim 5, wherein said assigning a temporary IP proxy source address to the calling party comprises selecting an IP proxy address from a pool of calling party IP proxy addresses allocated to said ~~first~~ second

access manager.

8. (currently amended) The method as claimed in claim 5, wherein said assigning a temporary IP proxy destination address to the called party comprises selecting an IP proxy address from a pool of called party IP proxy addresses allocated to said ~~second~~ first access manager.

9-10. (canceled)

11. (currently amended) The method as claimed in claim 8, further comprising:

translating ATM traffic received at said temporary ~~called party~~ IP proxy destination address to IP media traffic for transport to said called party; and

translating ATM traffic received at said temporary ~~calling party~~ IP proxy source address to IP media traffic for transport to said calling party.

12. (previously presented) A method of providing quality of service in an IP telephony session between a calling party and a called party, the method comprising:

assigning a temporary IP proxy address to the called party at a first access control manager, the first access control manager being configured to couple an IP network to a second network at a first access point; and

assigning a temporary IP proxy address to the calling party at a second access control manager, the second access control manager being configured to couple the IP network to the second network at a second access point.

13. (previously presented) The method as claimed in claim 12, wherein said assigning a temporary IP proxy address to the calling party comprises selecting an IP proxy address from a pool of IP proxy addresses allocated to said first access manager.

14. (previously presented) The method as claimed in claim 12, wherein said assigning a temporary IP proxy address to the called party comprises selecting an IP proxy address

from a pool of IP proxy addresses allocated to said second access manager.

15. (previously presented) The method as claimed in claim 12, further comprising:

routing IP media traffic from said calling party to said called party IP proxy address at said first access control manager; and

routing IP media traffic from said called party to said calling party IP proxy address at said second access control manager.

16. (previously presented) The method as claimed in claim 15, wherein:

said second network includes an ATM network.

17. (previously presented) The method as claimed in claim 16, further comprising establishing a switched virtual connection through said ATM network between said called party IP proxy address and said calling party IP proxy address.

18. (previously presented) The method as claimed in claim 17, further comprising:

translating IP media traffic received at said called party IP proxy address to ATM traffic for transport through said virtual connection from said first access control manager to said second access control manager; and

translating IP media traffic received at said calling party IP proxy address to ATM traffic for transport through said virtual circuit from said second access control manager to said first access control manager.

19. (canceled)

20. (previously presented) A system for providing a quality of service IP telephony session between a calling party and a called party, which comprises:

a first device connected between a IP telephony network and an ATM network, said first device providing bi-directional translation between IP media traffic and ATM traffic;

a second device connected between said IP network and said ATM network, said second device providing bi-directional translation between IP media traffic and ATM traffic; and

an intelligent control layer for establishing a virtual circuit through said ATM network for an IP telephony session between the calling party and the called party, wherein the first device and the second device are assigned on a per session basis.

21. (original) The system as claimed in claim 20, wherein:

said first device is operably connected to an ingress switch of said ATM network;
and

said second device is operably connected to an egress switch of said ATM network.

22. (canceled)

23. (previously presented) The system as claimed in claim 20, wherein said first and second devices each comprises a router.

24. (currently amended) The system as claimed in claim 20, wherein said intelligent^{*} control layer comprises:

means for assigning a temporary IP session proxy destination address for said called party at said first device; and

means for assigning a temporary IP session proxy source address for said calling party at said second device.

25. (new) A system for providing a quality of service IP telephony session between a calling party and a called party, the system comprising:

a control point operatively connected to the calling party and the called party via an IP network;

a first device operatively connected to the calling party via the IP network and

further operatively connected to an ATM network; and

a second device operatively connected to the called party via the IP network and further operatively connected to the ATM network,

wherein, upon receipt of a call request from the calling party, the control point dynamically assigns a proxy source IP address associated with the second device to the calling party and a proxy destination IP address associated with the first device to the calling party, and wherein the first device and the second device establish a virtual circuit through the ATM network for an IP telephony session between the calling party and the called party using the dynamically assigned proxy source IP address and the proxy destination IP address.